

DECLARATION AND POWER OF ATTORNEY/AGENT

As below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe I am the original, first, and sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

Determination of Metal Ions in Solution by Photoluminescence Anisotropy

which application is:

the attached application
(for original application)

application Serial No. filed
(for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above identified application, including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application under 37 C.F.R. 1.56, that I hereby claim foreign priority benefits under Title 35, United States Code §119, §172, or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate of this invention having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date	Priority Claimed (yes or no)
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I hereby claim the benefit of Title 35, United States Code §119(e) of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any material information under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status (patented, pending, abandoned)
60/045,289	May 1, 1997	Pending

I hereby appoint Chalin A. Smith, Esq., Reg. No. P-41,569 as my agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to:

Intellectual Property Division
Office of Research and Development
University of Maryland, Baltimore
515 West Lombard Street, Suite 500
Baltimore, MD 21201-1602
Tel. 410-706-1874; Fax: 410-706-5035

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 4/29/98
Residence 7106 Bristol Road
Baltimore, MD 21212
Citizenship U.S.A.

Date _____
Residence 25 Sherrin Road
Newton, MA 02162
Citizenship _____

First Inventor Richard B. Thompson
Signature [Signature]
Post Office Address 7106 Bristol Road
Baltimore, MD 21212

Second Inventor Daniel Elbaum
Signature _____
Post Office Address 25 Sherrin Road
Newton, MA 02162

Date 4/29/98
Residence 612 Talon Court
Arnold, MD 21012
Citizenship U.S.A.

Date _____
Residence 160 Carnoustie Way
Media, PA 19063
Citizenship _____

Date _____
Residence 9651 Hingston Downs
Columbia, MD 21046
Citizenship U.S.A.

Date _____
Residence 3-D Beacon Village
Burlington, MA 01803
Citizenship P.R.C.

Date April 29, 1998
Residence 2803 North Calvert Street
Baltimore, MD 21218
Citizenship U.S.A.

Third Inventor Vincent L. Feliccia
Signature Vincent L. Feliccia
Post Office Address 612 Talon Court
Arnold, MD 21012

Fourth Inventor David Christianson
Signature _____
Post Office Address 160 Carnoustie Way
Media, PA 19063

Fifth Inventor Marcia W. Patchan
Signature _____
Post Office Address 9651 Hingston Downs
Columbia, MD 21046

Sixth Inventor Zhengfang Ge
Signature _____
Post Office Address 3-D Beacon Village
Burlington, MA 01803

Seventh Inventor Badri P. Maliwal
Signature Badri P. Maliwal
Post Office Address 2803 North Calvert Street
Baltimore, MD 21218

DECLARATION AND POWER OF ATTORNEY/AGENT

As below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe I am the original, first, and sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

Determination of Metal Ions in Solution by Photoluminescence Anisotropy

which application is:

the attached application
(for original application)

application Serial No. 09/071,351 filed 4/30/98, and
amended on (for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above identified application, including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application under 37 C.F.R. 1.56, that I hereby claim foreign priority benefits under Title 35, United States Code §119, §172, or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate of this invention having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date	Priority Claimed (yes or no)
--------------------	---------	-------------	---------------------------------

I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any material information under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

Application Number	Filing Date	Status (patented, pending, abandoned)
--------------------	-------------	---------------------------------------

I hereby appoint Chalin A. Smith, Reg. No. 41,569 as my agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to:

Office of Research and Development
University of Maryland, Baltimore
515 West Lombard Street, Suite 500
Baltimore, Maryland 21201-1602

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 7/4/98
Residence 7106 Bristol Road
Baltimore, MD 21212
Citizenship U.S.A.

Residence 25 Sherrin Road
Newton, MA 02452 02462
Citizenship U.S.A.

First Inventor Richard B. Thompson
Signature _____
Post Office Address 7106 Bristol Road
Baltimore, MD 21212

Second Inventor Daniel Elbaum
Signature Elbaum
Post Office Address 25 Sherrin Road
Newton, MA 02452 02462

Date _____
Residence 2803 North Calvert Street
Baltimore, MD 21218
Citizenship Malaysia

Date _____
Residence 9651 Hingston Downs
Columbia, MD 21046
Citizenship U.S.A.

Date _____
Residence 25 Sherrin Road
Newton, MA 02162
Citizenship _____

Date x 5-20-98
Residence 160 Carnoustie Way
Media, PA 19063
Citizenship x USA

Date _____
Residence 3-D Beacon Village
Burlington, MA 01803
Citizenship P.R.C.

Third Inventor Badri P. Majjwal
Signature _____
Post Office Address 2803 North Calvert Street
Baltimore, MD 21218

Fourth Inventor Marcia W. Patchan
Signature _____
Post Office Address 9651 Hingston Downs
Columbia, MD 21046

Fifth Inventor Daniel Elbaum
Signature _____
Post Office Address 25 Sherrin Road
Newton, MA 02162

Sixth Inventor David Christianson
Signature x David Christianson
Post Office Address 160 Carnoustie Way
Media, PA 19063

Seventh Inventor Zhengfang Ge
Signature _____
Post Office Address 3-D Beacon Village
Burlington, MA 01803

Date _____
Residence 612 Talon Court
Arnold, MD 21012
Citizenship U.S.A.

Date _____
Residence 160 Carnoustie Way
Media, PA 19063
Citizenship _____

Date X May 2, 1998
Residence 9651 Hingston Downs
Columbia, MD 21046
Citizenship U.S.A.

Date _____
Residence 3-D Beacon Village
Burlington, MA 01803
Citizenship P.R.C.

Date _____
Residence 2803 North Calvert Street
Baltimore, MD 21218
Citizenship U.S.A.

Third Inventor Vincent L. Feliccia
Signature _____
Post Office Address 612 Talon Court
Arnold, MD 21012

Fourth Inventor David Christianson
Signature _____
Post Office Address 160 Carnoustie Way
Media, PA 19063

Fifth Inventor Marcia W. Patchan
Signature ~~Marcia W. Patchan~~
Post Office Address 9651 Hingston Downs
Columbia, MD 21046

Sixth Inventor Zhengfang Ge
Signature _____
Post Office Address 3-D Beacon Village
Burlington, MA 01803

Seventh Inventor Badri P. Maliwal
Signature _____
Post Office Address 2803 North Calvert Street
Baltimore, MD 21218

Date _____
Residence 612 Talon Court
Arnold, MD 21012
Citizenship U.S.A.

Date _____
Residence 160 Carnoustie Way
Media, PA 19063
Citizenship _____

Date _____
Residence 9651 Hingston Downs
Columbia, MD 21046
Citizenship U.S.A.

Date X May 5, 78
Residence 3-D Beacon Village
Burlington, MA 01803
Citizenship P.R.C.

Date _____
Residence 2803 North Calvert Street
Baltimore, MD 21218
Citizenship U.S.A.

Third Inventor Vincent L. Feliccia
Signature _____
Post Office Address 612 Talon Court
Arnold, MD 21012

Fourth Inventor David Christianson
Signature _____
Post Office Address 160 Carnoustie Way
Media, PA 19063

Fifth Inventor Marcia W. Patchan
Signature _____
Post Office Address 9651 Hingston Downs
Columbia, MD 21046

Sixth Inventor Zhengfang Ge
Signature X S. Ge
Post Office Address 3-D Beacon Village
Burlington, MA 01803

Seventh Inventor Badri P. Maliwal
Signature _____
Post Office Address 2803 North Calvert Street
Baltimore, MD 21218

Oct 17 00 11:56a

Richard Thompson

(410) 706-7122

P.2

OCT-17-2000 TUE 09:05 AM BSKB

FAX NO. 7032058050

P. 03

PATENT
3645-101P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Richard B. THOMPSON

Appl. No.: 09/071,351 Group: 1743

Filed: April 30, 1998 Examiner: SODERQUIST

For: DETERMINATION OF METAL IONS IN SOLUTION
BY PHOTOLUMINESCENCE

REVOCATION OF POWER OF ATTORNEY, SUBSTITUTE POWER
OF ATTORNEY, AND CHANGE IN CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

The Assignee of the above-identified patent application or issued patent, University of Maryland, Baltimore, having a business office at 520 West Lombard Street, Suite 500, Office of Research and Development, Baltimore, Maryland 21201-1602, as evidenced by the enclosed Certificate Under 37 C.F.R. § 3.73(b) showing chain of title, hereby revokes any and all previous powers of attorney for the above-identified patent application or issued patent and hereby appoints:

RAYMOND C. STEWART	(Req. No. 21,066	TERRELL C. BIRCH	(Req. No. 19,382)
JOSEPH A. KOLASCH	(Req. No. 22,463	JAMES M. SLATTERY	(Req. No. 28,380)
BERNARD L. SWEENEY	(Req. No. 24,449	MICHAEL X. MUTTER	(Req. No. 29,680)
CHARLES SORENSTEIN	(Req. No. 29,271	GERALD M. MURPHY, JR.	(Req. No. 28,477)
LEONARDO R. SVENSSON	(Req. No. 30,330	TERRY L. CLARK	(Req. No. 32,644)
ANDREW D. METKLE	(Req. No. 32,889	MARC S. WEINER	(Req. No. 32,101)
JOE MCKINNEY MUNCY	(Req. No. 32,114	DONALD J. DALEY	(Req. No. 34,313)
JOHN W. BAILEY	(Req. No. 32,894	JOHN A. CASTELLANO	(Req. No. 35,091)
GARY S. YACURA	(Req. No. 35,416		

of the firm of Birch, Stewart, Kolasch & Birch, LLP as the attorneys of the Assignee to receive all correspondence relating to the above-identified application or patent and to transact all

Oct 17 00 11:57a
27 17 2000 TUE 09:05 AM BSKB

Dr. Richard Thompson

1410 06-7122

p.3

FAX NO. 7032058050

P. 04

Docket No. 3645-0101P

business in the United States Patent and Trademark Office connected therewith, with full power of substitution and revocation, and the Assignee ratifies any act done by the Assignee's attorneys in respect of this patent. The new correspondence address is:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292
P.O. Box 141
Falls Church, VA 22040-0747

The undersigned (whose title is supplied below) is empowered to sign this Revocation and Substitute Power of Attorney on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10/17/00
Date

Jeanne A. Boughman
Signature

Jeanne A. Boughman, Ph.D.
Typed or printed name

Dean, Graduate School and Vice President, Academic Affairs
Title

Enclosure: Certificate Under 37 C.F.R. § 3.73(b)
showing chain of title.

1000 08/19/2000

Oct 17 00 11:57a

Mr. Richard Thompson

(41) 706-7122

p. 4

OCT 17 2000 TUE 09:06 AM BSKB

FAX NO. 7032058050

P. 05

PATENT
3645-0101P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Richard B. THOMPSON et al.

Appl. No.: 09/071,351 Group: 1743

Filed: April 30, 1998 Examiner: A. SODERQUIST

Patent No.:

Issue Date:

For: DETERMINATION OF METAL IONS IN SOLUTION
BY PHOTOLUMINESCENCE ANISOTROPY

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)
SHOWING CHAIN OF TITLE

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

University of Maryland, Baltimore, a University, certifies that it is the assignee of the patent application or issued patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application or issued patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9359, Frame 0389-0392, or for which a copy thereof is attached.

- OR -

B. A chain of title from the inventor(s), of the patent application or issued patent identified above, to the current assignee as shown below:

1. From: _____

To:

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Oct 17 00 11:57a

Mr. Richard Thompson

(415) 706-7122

p.5

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FAX NO. 7032058050

P. 08

Appl. No. 09/071,351

2. From: _____

To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____

To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are attached.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application or issued patent identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10/17/00
Date


Signature

Joann A. Boughman, Ph.D.

Typed or printed name

Dean, Graduate School and

Vice-President, Academic Affairs

Title

(Rev. 04/19/2000)

Mar 17 00 11:58a

Dr. Richard Thompson

1410 06-7122

P. 8

Mar 17-2000 TUE 09:07 AM BSKB

FAX NO. 7032058050

P. 08

ASSIGNMENT

Whereas, We,

Richard B. Thompson
7106 Bristol Road
Baltimore, MD 21212

Vincent L. Feliccia
612 Talon Court
Arnold, MD 21012

Badri P. Maliwal
2803 North Calvert Street
Baltimore, MD 21218

hereinafter called Assignors, have co-invented certain improvements in:

Determination of Metal Ions in Solution by Photoluminescence Anisotropy

and executed U.S. Provisional Patent Application Serial No. 60/045,289, filed May 1, 1997 for
Letters Patent of the United States of America; and

Whereas, the University of Maryland, Baltimore, 520 West Lombard Street, Baltimore, MD 21201
(assignee), desires to acquire our entire right, title, and interest in the application and invention,
and to any United States and foreign patents to be obtained therefor;

Now therefore, for One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby
acknowledged,

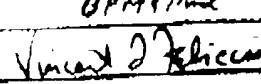
We, the above named assignors, hereby sell, assign, and transfer to the above named assignee, its
successors and assigns, our entire right, title and interest in the application and the invention
disclosed therein for the United States of America and all countries foreign thereto, including rights
of priority under the International Convention of Paris (1883) as amended, and we request the
Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the
application to the assignee, its successors and assigns; and we hereby agree that the assignee may
apply for foreign Letters Patent on the invention and we will execute without further consideration
all papers deemed necessary by the assignee in connection with the United States and foreign
applications when called upon to do so by the assignee.

Signed and sealed

Date 4/29/98


R.B.Thompson

Date 4/29/98


Vincent L. Feliccia

Date 4/29/98

State of Maryland
County of Baltimore City
Subscribed and sworn to before me this 29th day of April 1998.

Dorothy C. Edwards Notary Public

Registration/Authorization not required for recording Not in prima facie evidence of execution under 15 U.S.C. § 261.

Page 1

GRD DRW

418-786-5835 11:02 10/16/2000

Oct 17 00 11:58a

Dr. Richard Thompson

1410-706-7122

p. 9

OCT-17-2000 TUE 09:07 AM BSKB

FAX NO. 7032058050

P. 10

ASSIGNMENT

Whereas, I,

Marcia W. Patchan
9651 Hington Down
Columbia, MD 21046

hereinafter called assignor, have co-invented certain improvements in:

Determination of Metal Ions in Solution by Photoluminescence Anisotropy

and executed U. S. Provisional Patent Application No. 60/045,289 filed May 1, 1992 for Letters Patent of the United States; and

Whereas, University of Maryland, Baltimore, 520 West Lombard Street, Baltimore, MD 21201 (assignee), desires to acquire my entire right, title, and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged.

I, the above named assignor, hereby sell, assign, and transfer to the above named assignee, its successors and assigns, my entire right, title and interest in the application and the invention disclosed thereby for the United States of America, including the right to claim under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I hereby execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Signed and sealed

Marcia W. Patchan

Date: May 2, 1998

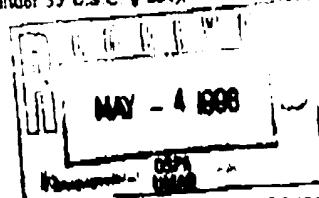
State of Maryland
County of Howard
Subscribed and sworn to before me this 2nd day of May, 1998

BLISS SCHEUMACK
NOTARY PUBLIC, STATE OF MARYLAND
My Commission Expires February 20, 2001

Bliss Scheumack

Notary Public

This instrument is not required for recording but is prima facie evidence of execution under 35 U.S.C. § 201.



10/16/2000 11:02 410-706-5835

PAC 05

ORD UNB

ASSIGNMENT

Whereas, I,

Zhengfang Ge
3-D Bowcon Village
Burlington, MA 01803

hereinafter called assignor, have co-invented certain improvements in:

Determination of Metal Ions in Solution by Photoluminescence Anisotropy

and executed U.S. Provisional Patent Application No. 60/045,282 filed May 1, 1997 for Letters Patent of the United States; and

Whereas, University of Maryland, Baltimore, 520 West Lombard Street, Baltimore, MD 21201 (assignee), desires to acquire my entire right, title, and interest in the application and invention, and to any United States and foreign patents to be obtained therefor.

Now therefore, for One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged,

I, the above named assignor, hereby sell, assign, and transfer to the above named assignee, its successors and assigns, my entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I hereby execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Signed and sealed

Date May 5, 1998

State of Massachusetts

County of Suffolk

Subscribed and sworn to before me this 5th day of May, 1998.

Notary Public

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261).

MARY T. RAYMOND
Notary Public
My Commission Expires April 23, 2004

Oct 17 03 11:59a

Mr. Richard Thompson

(416) 706-7122

P. 11

OCT 17 2000 TUE 03:08 AM BSKB

FAX NO. 7032058050

P. 12

Date: August 4, 1998

Express Mail Label No. EL076214261US

I hereby certify that this paper or fee is being deposited with the United States Postal Service using "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Box Assignment, Assistant Commissioner for Patents, Washington, D.C. 20231"

Signed

Dorothy S. Doeple
Dorothy S. Doeple

PAGE 07

SPD UMB

10/16/2000 11:02 416-706-5035

PATENT
3645-101P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Richard B. THOMPSON
Appl. No.: 09/071,351 Group: 1743
Filed: April 30, 1998 Examiner: SODERQUIST
For: DETERMINATION OF METAL IONS IN SOLUTION
BY PHOTOLUMINESCENCE

REVOCATION OF POWER OF ATTORNEY, SUBSTITUTE POWER
OF ATTORNEY, AND CHANGE IN CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

The Assignee of the above-identified patent application or issued patent, University of Pennsylvania, having a business office at 3700 Market Street, Suite 300, Intellectual Property Office, Philadelphia, Pennsylvania 19104-3147, as evidenced by the enclosed Certificate Under 37 C.F.R. § 3.73(b) showing chain of title, hereby revokes any and all previous powers of attorney for the above-identified patent application or issued patent, and

hereby appoints:

RAYMOND C. STEWART (Reg. No. 21,066)	TERRELL C. BIRCH (Reg. No. 19,362)
JOSEPH A. KOLASCH (Reg. No. 22,461)	JAMES M. SLATTERY (Reg. No. 20,380)
BERNARD L. SWEENEY (Reg. No. 24,448)	MICHAEL K. MUTTER (Reg. No. 29,680)
CHARLES GORENSTEIN (Reg. No. 29,271)	GERALD M. MURPHY, JR. (Reg. No. 20,977)
LEONARD R. SVENSSON (Reg. No. 30,330)	TERRY L. CLARK (Reg. No. 32,644)
ANDREW D. MEIKLE (Reg. No. 32,334)	MARC S. WEINER (Reg. No. 32,181)
JOE MCKINNEY MUNCY (Reg. No. 32,081)	DONALD J. DALEY (Reg. No. 34,313)
JOHN W. BATLEY (Reg. No. 32,334)	JOHN A. CASTELLANO (Reg. No. 35,094)
GARY D. YACURA (Reg. No. 35,416)	

of the firm of Birch, Stewart, Kolasch & Birch, LLP as the attorneys of the Assignee to receive all correspondence relating to the above-identified application or patent and to transact all

Oct 17 00 01:29p

Dr. Richard Thompson

705-7122

p.3

OCT-17-2000 TUE 09:09 AM BSKB

FAX NO. 7032058050

P. 14

Docket No. 3645-0101P

business in the United States Patent and Trademark Office connected therewith, with full power of substitution and revocation, and the Assignee ratifies any act done by the Assignee's attorneys in respect of this patent. The new correspondence address is:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292
P.O. Box 747
Falls Church, VA 22040-0747

The undersigned (whose title is supplied below) is empowered to sign this Revocation and Substitute Power of Attorney on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10/18/00
Date


Signature
LOUIS P. BERNEMAN
MANAGING DIRECTOR
CENTER FOR TECHNOLOGY TRANSFER

Title

Enclosure: Certificate Under 37 C.F.R. § 3.73(b)
showing chain of title.

(24v 04/19/2010)

OCT-17-2000 TUE 09:10 AM 3SK6

FAX NO. 7032058050

P. 19

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to Daniel Elbaum, the undersigned, hereby sell(s) and assign(s) to The Trustees of the University of Pennsylvania, a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania having a principal place of business at 3700 Market Street, Suite 300, Philadelphia, Pennsylvania 19104-1147 (the Assignee) their entire rights, titles and interests

for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world.

in the invention known as Design of Metal Lure and Ditch Assemblies by Fluorescent Antibody for which application(s) for patent was made in the United States of America on May 1, 1997 (also known as provisional US application 60/045,289), and on April 20, 1998 (also known as Non-provisional Application No. 08/907,135), and in any and all applications thereon, in any and all Letters Patent(s) therefor, and to any and all continuations, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisionals and therewithin applications thereof in the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing, divisional, reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing, divisional, reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that undersigned has (they have) full right to convey undersigned entire interest herein assigned, and that undersigned has (they have) not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grants(a) Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite her name.

Date 7/17/00 Signature of Inventor: D. Elbaum

STATE OF PENNSYLVANIA
ss

COUNTY OF PHILADELPHIA:

On this 12-7th day of July 1998, before me, BERNADETTE P. PHILBIN (Seal)

Daniel Elbaum

[✓] personally known to me -OR- I I proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature: Bernadette P. Philbin (Seal)
Notary Public
Signature Expiration Date 01-19-2001

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PAGE 18

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to David Christianson, the undersigned, hereby sell(s) and assign(s) to The Division of the University of Pennsylvania, a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania having a principal place of business at 3700 Market Street, Suite 300, Philadelphia, Pennsylvania 19104-3147 (the Assignee) their entire right, title and interest:

for the United States of America (as defined in 35 U.S.C. § 101);
 and throughout the world.

in the invention known as Direction of Metal Ions and Other Anions by Fluorescence Anisotropy for which application(s) for patent was made in the United States of America on May 1, 1997, (also known as provisional US application 60/045,269), and on April 20, 1998 (also known as Non-provisional Application No. 08/721,151), and in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all continuations, renewals, reexaminations of such applications or Letters Patent(s) and dividends and the continuing applications thereto to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing, divisional, related, reissue, continuation or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing, divisional, related, reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that undersigned has (they have) full right to convey undersigned entire interest herein assigned, and that undersigned has (they have) not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite her name.

Date 6/2/98 Signature of Inventor: David Christianson

STATE OF PENNSYLVANIA:

ss

COUNTY OF PHILADELPHIA

On this 2nd day of JUNE 1998, before me, Felecia J. Williams (Seal)

Personally appeared David Christianson

I, personally know to me -OR- I proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal

Signature

Felecia J. Williams (Seal)

Natural Seal
Felecia J. Williams, Notary Public
Philadelphia & Bucks County
Commonwealth of Pennsylvania
#4 Commissioned January 1998

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Oct 17 2006 01:29P

Mr. Richard Thompson

41 706-7122

P.W.

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P 15

PATENT
3645-0101P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Richard B. THOMPSON et al.

Appl. No.: 09/071,351 Group: 1743

Filed: April 30, 1998 Examiner: A. SODERQUIST

Patent No.:

Issue Date:

For: DETERMINATION OF METAL IONS IN SOLUTION
BY PHOTOLUMINESCENCE ANISOTROPY

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)
SHOWING CHAIN OF TITLE

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

The University of Pennsylvania, a University, certifies that it is the assignee of the patent application or issued patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application or issued patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9359, Frame 0398-0400, or for which a copy thereof is attached.

- OR -

B. A chain of title from the inventor(s), of the patent application or issued patent identified above, to the current assignee as shown below:

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To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, frame _____, or for which a copy thereof is attached.

Appl. No. 09/071,351

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Additional documents in the chain of title are attached.
 Copies of assignments or other documents in the chain of
title are attached

The undersigned has reviewed all the documents in the chain
of title of the patent application or issued patent identified
above and, to the best of undersigned's knowledge and belief,
title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered
to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own
knowledge are true and that all statements made on information and
belief are believed to be true; and further that these statements
were made with the knowledge that willful false statements and the
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under Section 1001 of Title 18 of the United States Code and that
such willful false statements may jeopardize the validity of the
application or any patent issued thereon.

10/18/00
Date


Signature

LOUIS P. BERNEMAN
MANAGING DIRECTOR
CENTER FOR TECHNOLOGY TRANSFER

Title

Rev. 05/10/2000

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BALTIMORE, MD 21201-1602



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ASSIGNEE:
MALTWAT, BADRT P

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ASSIGNEE:
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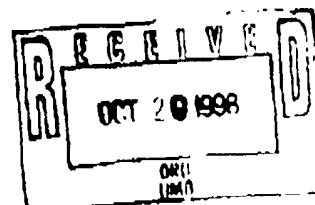
ASSIGNEE:
FELICCI, VINCENT L.

DOC DATE: 04/29/1998

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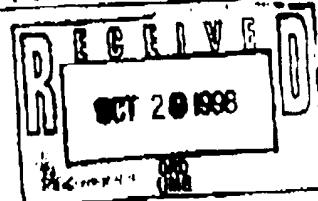
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5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Chaitin A. Smith, Esq. Internal Address: Office of Research and Development University of Maryland, Baltimore Street Address: 515 West Lombard Street, Suite 500 City: Baltimore State: MD ZIP: 21201-1602	6. Total number of applications and patents involved: _____ 7. Total fee (37 CFR 3.41) \$ 40.00 () Enclosed (X) Authorized to be charged to deposit account 8. Deposit account number: 21-9684 (Attach duplicate copy of this page if paying by deposit account)
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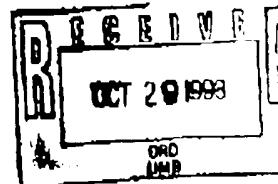
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